



The **Panthessaliko Stadium** validates tickets in real-time using barcodes

Volos, Greece



## SITUATION

“

We needed a system to operate outdoor and check two types of barcode tickets”

### The client



**Industry**  
Sports



**Spectators**  
5000+



**Employees**  
100+

The Panthessaliko Stadium located in Volos (Greece) hosts games for the Greek Superleague 2022-2023.

### Project description

We needed a barcode scanning system to operate outdoor and scan the tickets for the home games of VOLOS FC (a superleague team).

A quick camera focus time and an easy to use user interface that won't disturb the usage of the application every time we open it is crucial.

There will be a total of 5 smartphone scanners and the app must scan two kinds of tickets: normal tickets and seasonal tickets.

The server must store the following data in CSV files:

1. Ticket type (use it as a file name)
2. Date
3. Time
4. Barcode

Emit a Beep on every ticket scan and show an alert message on screen when a duplicate is detected.



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## SOLUTION

“

We used it on 20th of August in the first game with Asteras Tripolis and worked like a charm”

In collaboration with Michael (IT Manager at VOLOS FC) we were able to quickly configure the server and address the following issues:

### Save logs

Now each ticket scan is safely stored on a Windows server machine in a CSV format

### Validate tickets

The tickets are validated against custom rules to quickly identify fake or duplicate tickets.

Security forces scanning tickets can easily understand what going on thanks to the beep sound and the visual alerts.

### Ticket type decoding

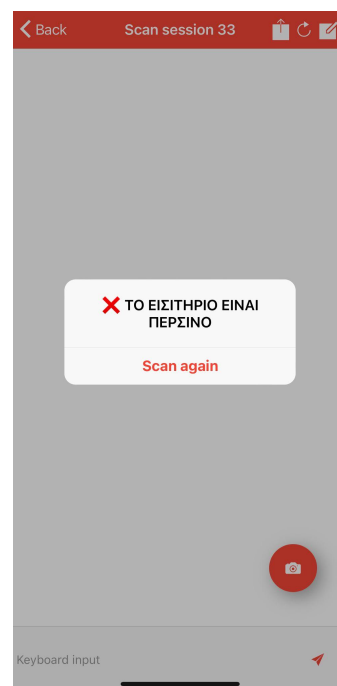
The barcode content is decoded in real-time to show on the smartphones the ticket type, which can be: seasonal, normal, and VIP.

### Mobile 5G connection

The smartphones are connected to the server using a mobile 5G connection.

### Prevent accidental scans

The app is limited to accepting only the CODE\_128 barcode formats so that other formats are automatically ignored.





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### Results & benefits



#### Cost effective

It was required the purchase of a single user license to enable unlimited smartphones



#### Comprehensive solution

The software already provides all the features required for a ticketing system



#### Fast Deploy

The app has been installed with few taps and the server has been hosted on an already-present Windows machine



Europa Security staff verifying tickets at the Panthessaliko Stadium. [See more](#)

“

This year we have a full scanning and logging system.

It's a great value for the money: application and server can be customized and reconfigured at every stage.

There are plenty of options and it's easy to manage them.”



**Michael Cheimonidis**

IT Manager, VOLOS FC